

FILE NOTATIONS

Entered in NID File ☒

Entered On S R Sheet ☐

Location Map Pinned ☐

Card Indexed ☒

I W R for State or Fee Land ☐

Checked by Chief ☐

Copy NID to Field Office ☐

Approval Letter ☐

Disapproval Letter ☐

COMPLETION

Date Well Completed ☒

QW ☒

WW ☐

TA ☐

GW ☐

OS ☐

PA ☐

Location Inspected ☐

Bond released ☐

State of Fee Land ☐

LOGS FILED

Driller's Log ☐

Electric Logs (No.) ☒

E ☐

I ☐

E-I ☐

GR ☐

CRN ☒

Micro ☐

Lat ☐

M-L ☐

Sonic ☐

Others ☐

CEMENT BOND LOG

TEMPERATURE SURVEY LOG

RADIO ACTIVITY LOG

COMPENSATED DENSITY LOG

INDUCTION ELECTRIC LOG

TEMPERATURE LOG



BURTON/HAWKS, INC.

First National Bank Building
P. O. Box 359
Casper, Wyoming 82602
307/234/1593

7-POINT PROGRAM

December 20, 1976

Mr. Ed Gynn
U.S. Geological Survey
8416 Federal Building
125 South State Street
Salt Lake City, Utah 84111

re: Burton Hawks, Inc.
Federal 13-1
NW NE Sec. 13, T6S-R5W
Duchesne County, Utah

Burton-Hawks, Inc.
Federal 19-1
NE NE Sec. 19, T6S-R5W
Duchesne County, Utah

7-POINT WELL CONTROL PLAN
BURTON-HAWKS DRILLING COMPANY

1. Surface casings: #13-1 - 200' of 8-5/8" used.
#19-1 - 200' of 8-5/8" used.
2. 8". 900 series casingheads, flanges, and spools; 3000# working pressure; 6000# test.
3. Intermediate casing: None
4. Blowout preventor program: Shaffer 8", 3½" drill pipe rams. One 2" fill line. One 2" kill line, no choke line.
5. Auxiliary equipment:
 - a. One kelly cock
 - b. 4½" regular float at bit.
 - c. Monitoring system; visual.
 - d. 3½" IF sub on floor with fully opening valve to be stabbed into drill pipe when the kelly is not in the string.
6. Anticipated BHP at total depth:

13-1	TD 4200'	BHP 1400#.
19-1	TD 4200'	BHP 1400#.
7. Drilling fluid: Water based mud, gel-chemical.

Yours very truly,

BURTON-HAWKS, INC.

Robert E. Wellborn

R.E. Wellborn
Exploration Manager



BURTON/HAWKS, INC.

First National Bank Building
P. O. Box 359
Casper, Wyoming 82602
307/234/1593

February 1, 1977

Reserve Oil & Gas Co.
P. O. Box 5568
Denver, Colorado, 80217

Att: Mr. Peter Bosche

Re: Proposed Well
Nutter Ridge Federal #13-1
NW $\frac{1}{4}$ NE $\frac{1}{4}$ Section 13, T6S-R5W
Duchesne County, Utah
Lease No. U-5635

Gentlemen:

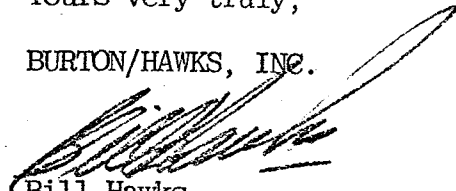
Enclosed please find information forwarded to the U.S. Geological Survey for the proposed drilling of the above captioned well, on Lease U-5635.

Please furnish direct to the U. S. Geological Survey, Salt Lake City, Utah, a Bond of Oil and Gas Lessee for Lease U-5635, and a Designation of Operator for Burton/Hawks, Inc. Please furnish this office and the State of Utah copies of the bond and designation of operator.

Thank you for your assistance in this matter.

Yours very truly,

BURTON/HAWKS, INC.



Bill Hawks,
President


$$\begin{array}{r} 7946 \\ -1336 \\ \hline 6610 \end{array}$$

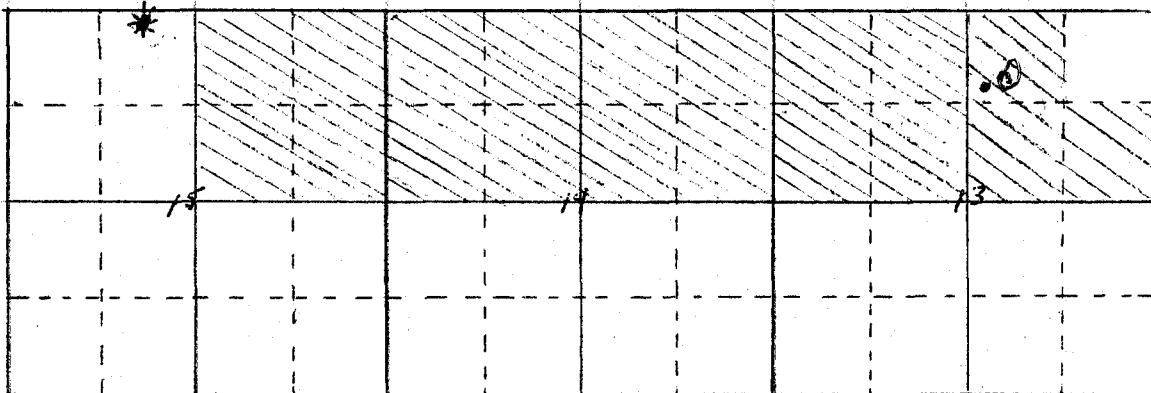
$$\begin{array}{r} 6610 \\ -1336 \\ \hline 5274 \end{array}$$

Burton-Hawks
 Notters Ridge Federal 13-1

837 FNL
 2443 FEL

Sec. 13
 TCS RSW

15-1 
 108 FNL
 1933 FNL

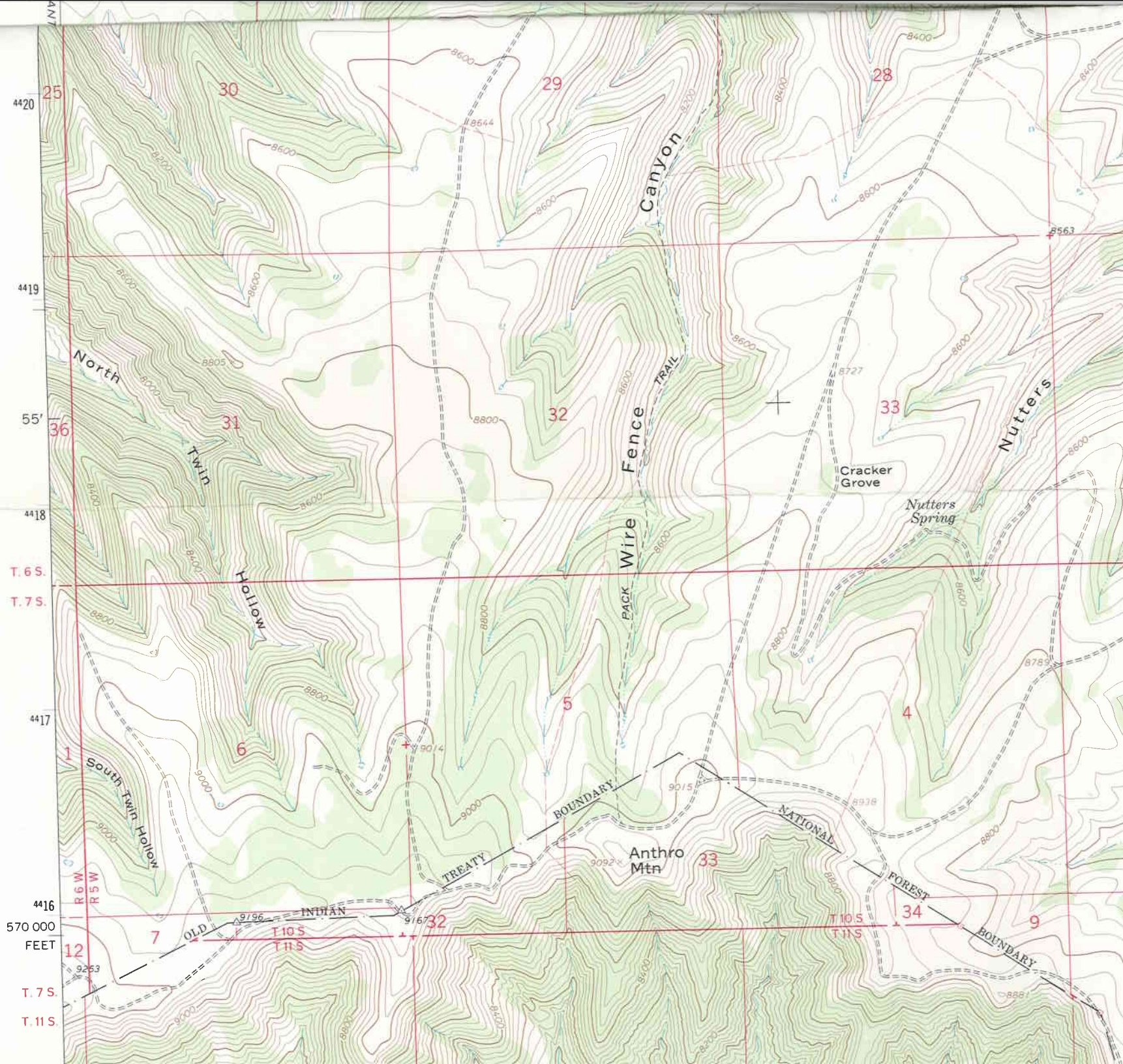


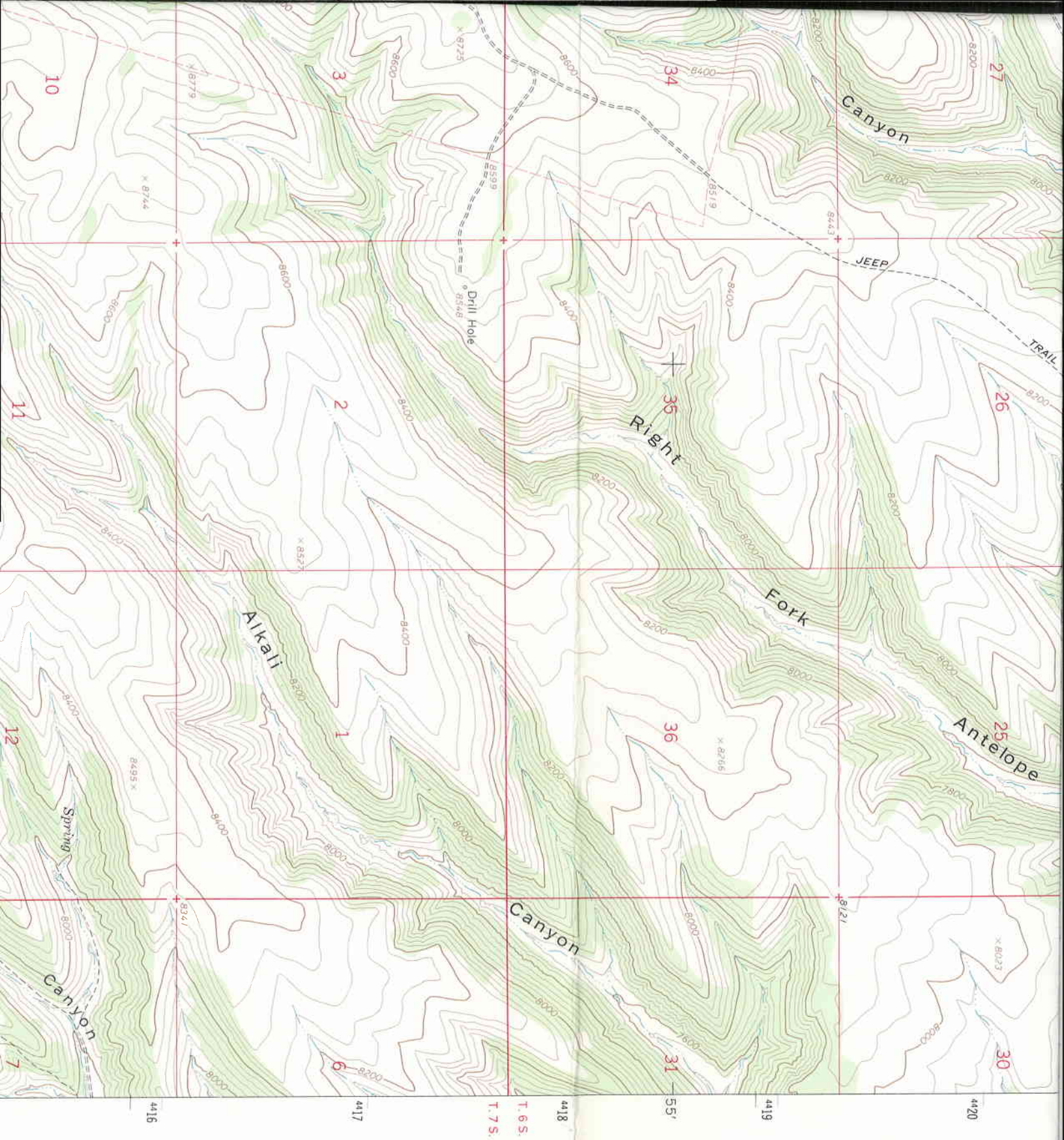
Burton-Hawks
 Acrange

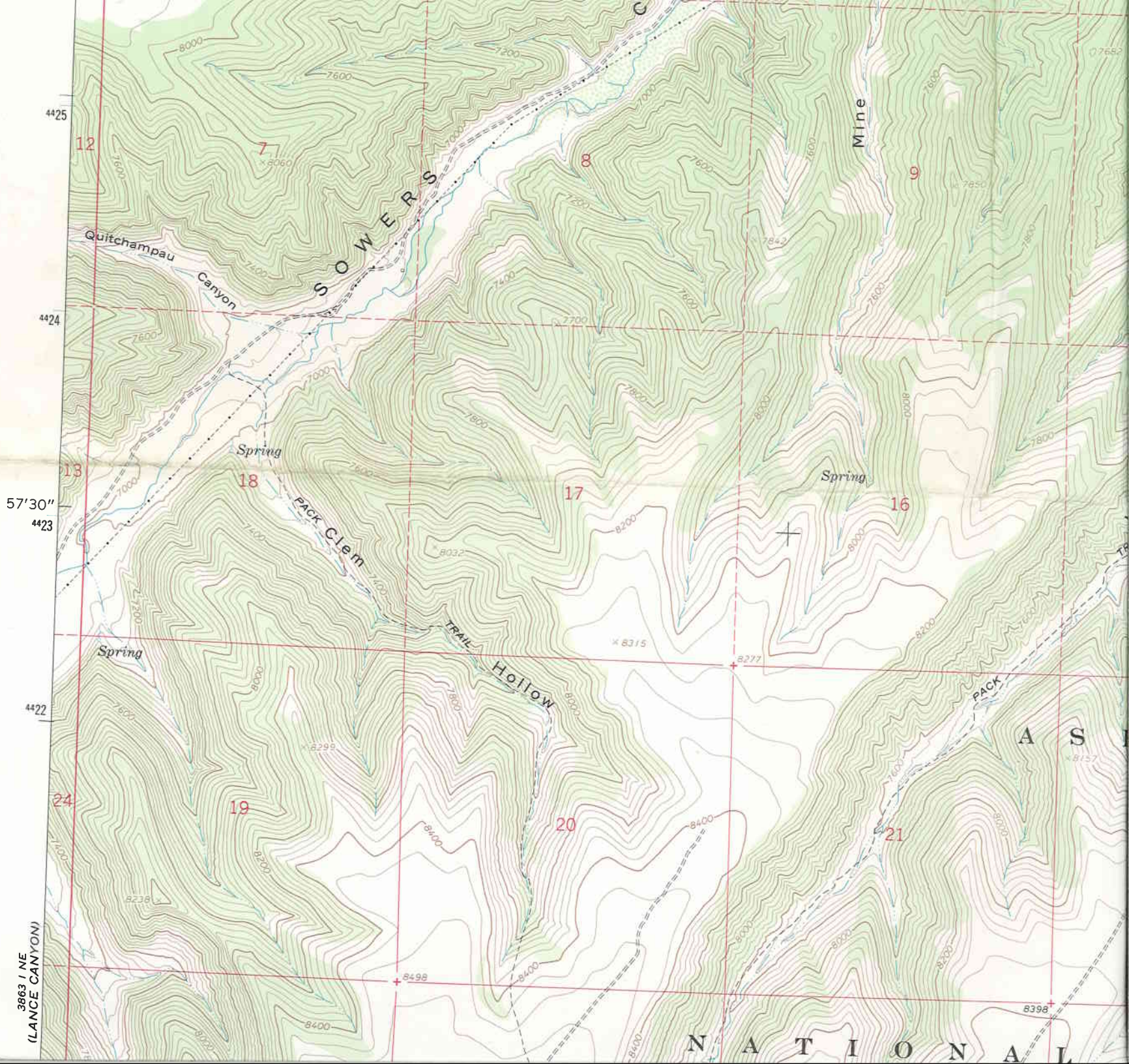
$$\begin{array}{r} 2443 \\ -1336 \\ \hline 1107 \end{array}$$

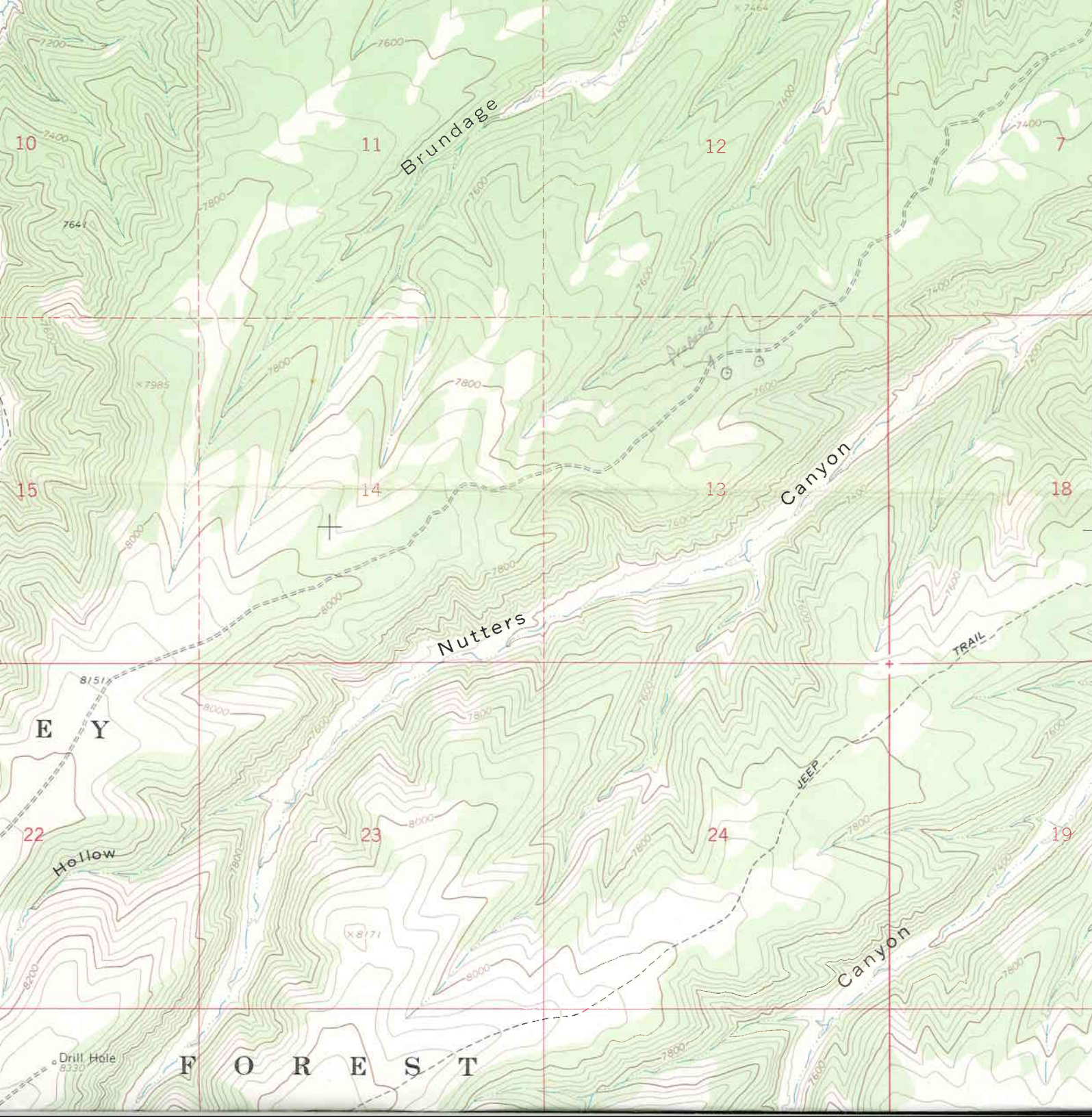
 2443 FEL
 747 FNL

New
 location









600 000
FEET

4424

57'30"

4423

4422

ANTHRO MTN. NE)
3963 IV NE



BURTON/HAWKS, INC.

First National Bank Building
P. O. Box 359
Casper, Wyoming 82602
307/234/1593

February 2, 1977

OPERATING PLAN

Duchesne Cty, Utah

A. LEASE NO., NAME AND LOCATION OF WELLS

1. Lease No. U-5635 -Nutters Ridge Fed.#13-1, NW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 13, T6S-R5W
2. Lease No. U-12841 -Right Fork Antelope Canyon Fed.#19-1, NE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 19, T6S-R4W

Prior to beginning any clearing, construction or operations, including road and drill site location and construction, Burton/Hawks, Inc. will contact the Duchesne District Ranger or designated Forest Service Representative.

B. ROAD CONSTRUCTION

1. Federal #13-1 - access will be via Sowers Canyon Road to Forest Development Road 333; then via FDR 333 to drill site. FDR 333 is an improved dirt road, so no additional road construction will be required.
2. Federal #19-1 - access will be 10 $\frac{1}{2}$ miles east from Duchesne via Highway 40 to the Antelope Canyon Road, turning south off said highway and driving approximately 5 miles to the drill site.
 - (a) Access roads will be constructed in such a manner that a minimum amount of soil and ground cover will be disturbed. Any road location must be approved by the Duchesne District Ranger prior to construction. Any deviation from the approved location and SL-12 standards with intercepting dips must be approved by the Duchesne District Ranger prior to making the change.
 - (b) The maximum grade allowed on relocated sections will be 6%; except on short pitches up to 200 feet, 8% will be permitted.
 - (c) Road cuts and fills will be finished to a 1 $\frac{1}{2}$:1 ratio or flatter.
 - (d) Road will be sloped to insure full and complete drainage. Intercepting dips and flare ditches will be staked by the Forest Service.
 - (e) Remove only trees and brush necessary to obtain good road alignment.
 - (f) Vegetation removed in road construction will be disposed of as directed by the Duchesne District Ranger or designated Forest Service representative.
 - (g) Specification 36 (attached) will be followed.

C. ROAD MAINTENANCE

During drilling operations, sufficient road maintenance will be done to insure that no road or resource damage or deterioration will occur. Maintenance will include:

- (1) Maintain already constructed intercepting dips to the access roads to their original size, shape and condition.
- (2) Maintain road surfaces leaving the present flare ditches intact and functionable. Rocks can be worked off the road, but fine materials will be conserved for fill on the road.
- (3) Deep dust or mud that accumulates during dry or wet periods will not be bladed off the road.
- (4) Any brush, timber slash, or debris created by road maintenance will be disposed of as directed by the District Ranger or Forest Service representative.
- (5) Upon completion of the drilling operation, the access road, including drainage and cut and fill slopes will be restored and maintained to the standard acceptable to the District Forest Ranger.
- (6) Specification 10 (attached) will be followed.

D. DRILLING SITES

Each drill site will require approximately one and one-half acres to accomodate drilling rig, mud tanks, reserve pits, equipment, and vehicles. Well locations are shown in Paragraph A.

Requirements:

- (1) Drillsites will be leveled as required, but not to exceed 200 feet x 350 feet. Also a reserve pit of 75 feet x 50 feet x 8 feet will be excavated.
- (2) All brush and trees removed from the site will be disposed of as directed by the Duchesne District Ranger or Forest Service representative.
- (3) Reserve pits will be so constructed to insure that no leakage, overland flow or pit failure will occur.
- (4) Should the initial reserve pit become full prior to completion of drilling, excess waste will be disposed of as approved by the Duchesne District Ranger or Forest Service representative.
- (5) Upon completion of drilling operations, reserve pits will be pumped and material disposed of as directed by the Duchesne District Ranger or Forest Service representative. Pits will be restored to natural condition and made solid.

- (6) During the drilling period, pits will be fully fenced to a height of at least 54" with woven and/or barbed wire.
- (7) All top soil removed in leveling and reserve pit construction will be stockpiled to be replaced over the operation and pit areas during site restoration.
- (8) On completion of the drilling operation, the drill site and reserve pits will be restored to natural contour of the surrounding topography, and stockpiled top soil will be spread over the restored area.
- (9) Reserve pits will have sufficient capacity to prevent drilling waste from polluting the live streams. If a well is dry, the waste material will be pumped back into the drill hole. If developed into a producing well, will be hauled away.
- (10) The restored area will be fertilized and reseeded as prescribed by the Forest Service representative.
- (11) All precautions will be taken to assure public safety in drilling and associated operations.

E. WATER SUPPLY

Water is not present on any of the drilling sites. There are small streams in Indian, Sowers, and Left and Right Antelope Canyons, but most drainages contain water only during periods of runoff.

- (1) If water is hauled to drilling sites, Burton/Hawks will obtain permission from appropriate land owner and/or water rights owner.
- (2) No tractors or heavy equipment will be placed in drainage channels without consent of Forest Service.
- (3) Restoration

F. SANITARY FACILITIES

- (1) No campsite or housing facilities will be located on the Forest Land without the consent of the Duchesne District Ranger.
- (2) A toilet will be supplied by Burton/Hawks for use of the drilling crew. Disposition and servicing of toilet will be the responsibility of the Company representative.

G. FIELD COORDINATION

- (1) John Vasten will be the Forest Service representative.
- (2) The Company will designate a field representative who will be responsible for operations under this plan, giving name, address, and telephone numbers. Rance Denton (801) 738-5351; or Duchesne (801) 738-2301, Vernal (801) 789-4200; Rig No. 694 or GAC No. 691

H. SAFETY

- (1) Burton/Hawks will install signs warning the public of heavy truck traffic on single lane roads and hazardous locations.

I. FIRE PLANS


- (1) All internal combustion engines will be equipped with approved mufflers or spark arrestors during periods of fire danger.
- (2) During drilling operations, a fire tool cache will be located on each drill site. This cache will consist of a minimum of two pulaskis and three shovels in a sealed box plainly marked for "fire use only".

K. GENERAL

- (1) All precautions will be taken to protect the environment and resources on and adjacent to the operations.
- (2) Sanitation and the disposal of all waste and refuse will be accomplished in a manner that is within the framework of the Pollution Statement Act (E.O. 11507).
- (3) All conditions of the Department of Agriculture stipulations and the lease special stipulations not herein mentioned will be observed and followed.
- (4) Cattleguards meeting Forest Service Specifications will be installed at all designated fence locations.
- (5) Should these become producing wells, an operation plan for the production phase will be negotiated.
- (6) All ingress and egress to the drill sites will be established access roads. No off-road vehicle use will be permitted without the consent of the consent of the Forest Service.

The undersigned have read the foregoing Operating Plan and agree to accept and abide by all terms and conditions set forth.

BURTON/HAWKS, INC.


Robert E. Wellborn,
Exploration Manager

U. S. FOREST SERVICE

DFR, Duchesne Ranger District

Forest Supervisor, Ashley Nat'l Forest

SPECIFICATION 36 - RESHAPE AND FINISH EXISTING ROADWAY

Description

- 1.1 This work shall consist of restoring the roadway, such as, removing slides, cleaning ditches, restoring previously installed drainage, scarifying, and reshaping the roadway in accordance with these specifications and as shown on drawings or staked on the ground.

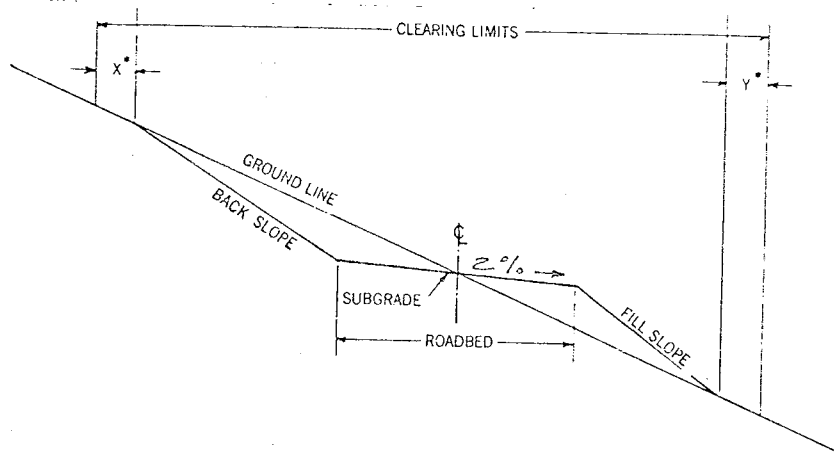
Construction Requirements

- 3.1 Conditioning Existing Roadway. Existing roadbed shall be scarified where needed for the full width and to a depth sufficient to eliminate surface irregularities. Scarified roadbed shall then be bladed, shaped, and placed to restore the surface to typical cross sections to provide a reasonably smooth traveled way. All deleterious material and stones over 4 inches in greatest dimension encountered during the operation shall be removed. Materials so removed shall not be left on shoulders or in ditches. Slide material shall be removed and used, if suitable, or disposed of as shown on drawings or as agreed. All ditches and drains shall be reshaped and cleaned where necessary to insure efficient drainage. Backslopes shall not be undercut.
- 3.2 Additional Material. Additional material used to restore roadway to the required lines, grade, and cross section shall consist of suitable borrow, except where base course and/or surface course is required. Each of these materials shall be spread in a uniform layer, thoroughly mixed, placed, and shaped as outlined above.
- 3.3 Disposal of Surplus Material. Surplus material shall be disposed of at locations shown on drawings by widening embankments, flattening slopes, or by depositing at agreed locations.
- 3.4 Rock Sections. Rock sections and other sections where the natural material is not suitable for cushion need not be scarified, but shall be brought to grade with a minimum cushion of suitable borrow and/or aggregate base course as shown on drawings, and entire roadway shall be brought to the final elevation and shape as shown on drawings.

3.5 Damaged Structures. All work shall be done so as to avoid damage to existing drainage facilities, and any such damage resulting from construction operations shall be repaired by permittee.

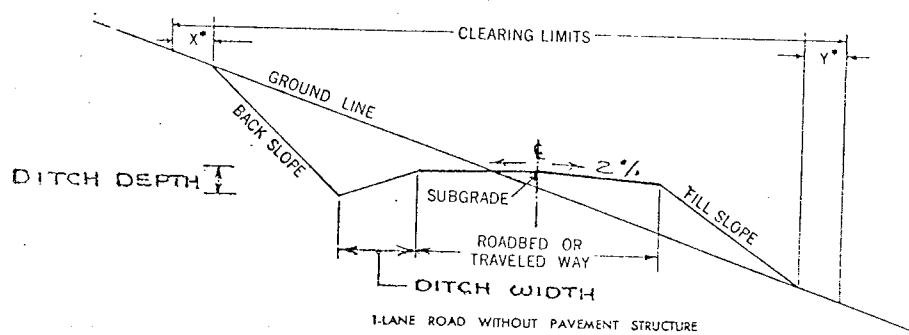
3.6 Finishing. Roadway shall be finish-shaped to conform with the typical section shown on drawings.

CROSS-SECTION AND ROAD STRUCTURE TERMS



1-LANE ROAD - OUTSLOPED - WITHOUT PAVEMENT STRUCTURE

A



1-LANE ROAD WITHOUT PAVEMENT STRUCTURE

B

Roadbed Width = 12' w/10' turnouts

Clearing Limits =

$X = 3'$

$Y = 0$ or $\Rightarrow 9'$ from center line

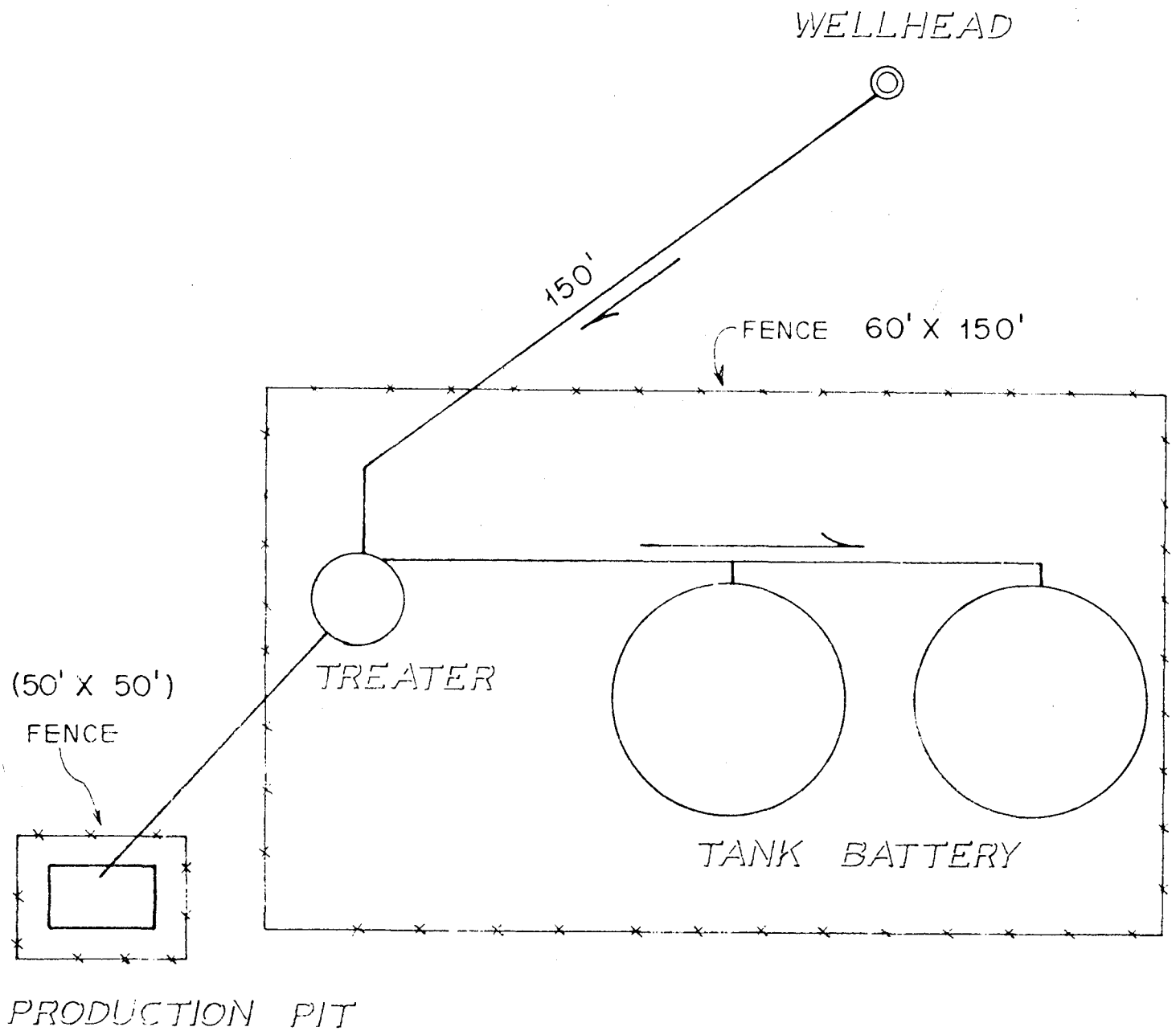
Fill Slope = 2:1

Back Slope = 2:1

Ditch Width = 4'

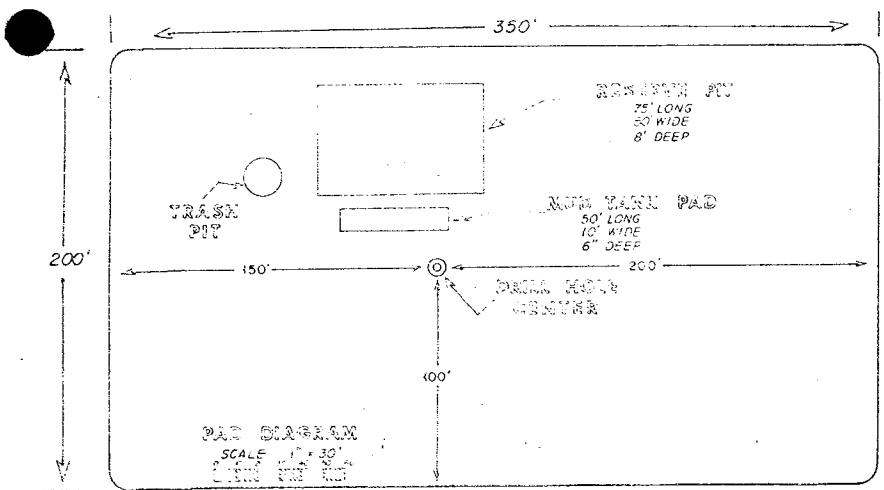
Ditch Depth = 1'

PRODUCTION FACILITIES



BURTON / HAWKS DRILLING COMPANY

RIG NO. 1



BOILERHOUSE
35' X 8' X 8'

PORTA
TOILET

RESERVE PIT
50' X 75' X 8'

MUD
TRAILER

MUD TANK
40' X 8' X 5'

DESILTER
5' X 6'

SHALE SHAKER (ABOVE)

PUMP NO. 2
9' X 26'

PUMP NO. 1
10' X 28'

LIGHT PLANT &
COMPRESSOR
8' X 10'

SUB-STRUCTURE
40' X 18' X 9'

DOG HOUSE (TOP)
WATER TANK (BOTTOM)
40' X 8' X 9'

ACCUMULATOR
3' X 6'

JUNK
BASKET
7'6" X 22'

PIPE TUB
8' X 36'

CAT WALK

PIPE TUB
8' X 36'

PIPE RACK
10' X 28'

PIPE RACK
10' X 28'

SCALE: 1" = 6'

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☐GAS
WELL ☒

OTHER

SINGLE
ZONE ☐MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

Burton/Hawks, Inc.

3. ADDRESS OF OPERATOR

P. O. Box 359, Casper, Wyoming, 82602

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*

At surface NW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 13, (837' FNL/2443' FEL)

At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

14 miles south of Duchesne, Utah

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT. 837'
(Also to nearest drig. unit line, if any)

16. NO. OF ACRES IN LEASE

760

17. NO. OF ACRES ASSIGNED
TO THIS WELL

320 acres

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

N/A

19. PROPOSED DEPTH

4400'

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

7675' GR

22. APPROX. DATE WORK WILL START*

February 10, 1977

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 $\frac{1}{4}$ "	8-5/8"	24#	200'	To surface

Township 6 South, Range 5 West, Uintah Meridian

Section 13: W $\frac{1}{2}$ NE $\frac{1}{4}$, SE $\frac{1}{4}$ NE $\frac{1}{4}$, NW $\frac{1}{4}$ Section 14: N $\frac{1}{2}$ Section 15: NE $\frac{1}{4}$ 760 acresBlowout Preventor: 8" Shaffer, 3 $\frac{1}{4}$ " Drill Pipe Rams, One 2" fill line, One 2" kill line. No choke line

Intend to drill a 4400' test into the Green River Formation.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

Robert E. Wellborn
Robert E. Wellborn

TITLE

Exploration Manager

DATE

2-1-77

(This space for Federal or State office use)

PERMIT NO.

B-013-30421

APPROVAL DATE

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:

2-4-77

SUMMARY OF ENVIRONMENTAL IMPACT EVALUATION

383

ATTACHMENT 2-A

Burton/Hawkstone
13-1 NWNE

see 13-65-5W

Duchesne Co. Utah

U-5635

USFS - VASTEN

USGS - ALEXANDER

B.H. - Denton

Ditch Cont. - Gally

- ☐ ENHANCES
☐ NO IMPACT
☒ MINOR IMPACT
☒ MAJOR IMPACT

Construction	Pollution	Drilling Production	Transport Operations	Accidents	Other
Roads, bridges, airports	Burning, noise, junk disposal	Well drilling	Trucks	Spills and leaks	
Transmission lines, pipelines	Liquid effluent discharge	Fluid removal (Prod. wells, facilities)	Pipelines	Operational failure	
Dams & impoundments	Subsurface disposal	Secondary Recovery	Others		
Others (pump stations, compressor stations, etc.)	Others (toxic gases, noxious gas, etc.)	Noise or obstruction of scenic views			
		Mineral processing (ext. facilities)			
		Others			

Land Use	Forestry	✓		✓		✓		✓	
	Grazing	✓ 0	✓	✓		✓		✓	
	Wilderness	NA							
	Agriculture	NA							
	Residential-Commercial	NA							
	Mineral Extraction	NA							
	Recreation	✓ 0	✓	✓		✓		✓	
	Scenic Views	✓	✓	✓		✓		✓	
	Parks, Reserves, Monuments	NA							
	Historical Sites	NA							
Flora & Fauna	Unique Physical Features	NA							
	Birds	✓	✓	✓		✓		✓	
	Land Animals	✓	✓	✓		✓		✓	
	Fish	NA							
	Endangered Species	NONE KNOWN							
	Trees, Grass, Etc.	✓	✓	✓		✓		✓	
	Surface Water	NA							
	Underground Water	?							
	Air Quality	✓		✓		✓		✓	
	Erosion	✓	✓	✓		✓		✓	
Phy. Character.	Other								
	Effect On Local Economy	✓ 0	0			0			
	Safety & Health	✓		✓		✓		✓	

Others Orig. file

CC: Reg. - Denver

Dolan ES Oakley Hall front w/o. Hattley

Lease

U-2635

Well No. & Location

#13-1 NWNNE Sec 13-6S-5W

Duchesne County Utah.

ENVIRONMENTAL IMPACT ANALYSIS - ATTACHMENT 2-B

1. Proposed Action

Burton Hawks Inc.

PROPOSES TO DRILL AN OIL AND

GAS TEST WELL WITH ROTARY TOOLS TO ABOUT 4400 FT. TD. 2) TO CONSTRUCT A

DRILL PAD 200 FT. X 350 FT. AND A RESERVE PIT 75 FT. X 50 FT.

3) TO CONSTRUCT 12' FT. X 100' ~~FEET~~ ACCESS ROAD AND UPGRADE ~~FEET~~

X

~~MILES~~

FROM AN EXISTING AND IMPROVED ROAD.

All new

Production Facilities shall be contained on the original Drilling location. No new disturbance is required.

2. Location and Natural Setting (existing environmental situation)

The proposed location on ~~the~~ a relatively level area on top of Nutter's Ridge. The existing road runs within 100' of the location so very little new road will be needed.

The vegetation is piñon-juniper, sparse pine, sage brush, and assorted native grasses.

The wild life is Elk, Deer, small mammals and birds, with no known endangered species.

There are no known historical sites that would be affected and no evidence of archeological sites was noted.

3. Effects on Environment by Proposed Action (potential impact)

1) EXHAUST EMISSIONS FROM THE DRILLING RIG POWER UNITS AND SUPPORT TRAFFIC ENGINES WOULD ADD MINOR POLLUTION TO THE ATMOSPHERE IN THE LOCAL VICINITY.

2) MINOR INDUCED AND ACCELERATED EROSION POTENTIAL DUE TO SURFACE DISTURBANCE AND SUPPORT TRAFFIC USE.

3) MINOR VISUAL IMPACTS FOR A SHORT TERM DUE TO OPERATIONAL EQUIPMENT AND SURFACE DISTURBANCE.

4) TEMPORARY DISTURBANCE OF WILDLIFE AND LIVESTOCK.

5) MINOR DISTRACTION FROM AESTHETICS FOR SHORT TERM.

6) Potential fire danger due to possible flaring of gas at the site. Caution should be used to prevent damage to the surrounding area by fire.

4. Alternatives to the Proposed Action

1) NOT APPROVING THE PROPOSED PERMIT -- THE OIL AND GAS LEASE GRANTS THE LESSEE EXCLUSIVE RIGHT TO DRILL FOR, MINE, EXTRACT, REMOVE AND DISPOSE OF ALL OIL AND GAS DEPOSITS.

2) DENY THE PROPOSED PERMIT AND SUGGEST AN ALTERNATE LOCATION TO MINIMIZE ENVIRONMENTAL IMPACTS.

3) No nearby locations could be found that would justify this action.

5. Adverse Environmental Effects Which Cannot Be Avoided

1) MINOR AIR POLLUTION DUE TO EXHAUST EMISSIONS FROM RIG ENGINES AND SUPPORT TRAFFIC ENGINES.

2) MINOR INDUCED AND ACCELERATED EROSION POTENTIAL DUE TO SURFACE DISTURBANCE AND SUPPORT TRAFFIC USE.

3) MINOR AND TEMPORARY DISTURBANCE OF WILDLIFE.

4) TEMPORARY DISTURBANCE OF LIVESTOCK.

5) MINOR AND SHORT-TERM VISUAL IMPACTS.

6)

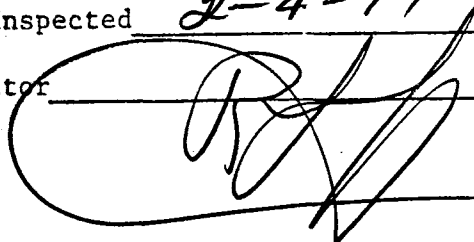
6. Determination

(This requested action (~~does~~) (does not) constitute a major Federal action significantly affecting the environment in the sense of NEPA, Section 102(2) (c).

Date Inspected

2-4-77

Inspector



(ORIG. SGD.) E. W. GUYNN

U.S. Geological Survey,
Conservation Division
Salt Lake City District
Salt Lake City, Utah

ATTACHMENT 2-A

Burton/Hawks INC.
#13-1 NWNE
Sec 13-6s-5W
Duchesne Co. Utah
U-5635
USFS - VASTEN
USGS - ALEXANDER
B.H. - Denton
Dist. Cont. - Gally

- ☐ ENHANCES
- ☐ NO IMPACT
- ☒ MINOR IMPACT
- ☒ MAJOR IMPACT

Construction	Pollution	Drilling Production	Transport Operations	Accidents	Other
Roads, bridges, airports	Burning, noise, junk disposal	Well drilling	Trucks	Spills and leaks	
Transmission lines, pipelines	Liquid effluent discharge	Fluid removal (Prod. wells, facilities)	Pipelines	Operational failure	
Dams & impoundments	Subsurface disposal	Secondary Recovery	Others		
Others (pump stations, compressor stations, etc.)	Others (toxic gases, noxious gas, etc.)	Noise or obstruction of scenic views			
		Mineral processing (ext. facilities)			

Land Use

Forestry	✓										
Grazing	✓	0	1	1	1	1	1	1	1	1	1
Wilderness	NA										
Agriculture	NA										
Residential-Commercial	NA										
Mineral Extraction	NA										
Recreation	✓	0	1	1	1	1	1	1	1	1	1
Scenic Views	✓	1	1	1	1	1	1	1	1	1	1
Parks, Reserves, Monuments	NA										
Historical Sites	NA										
Unique Physical Features	NA										

Flora & Fauna

Birds	✓	1	1	1	1	1	1	1	1	1	1
Land Animals	✓	1	1	1	1	1	1	1	1	1	1
Fish	NA										
Endangered Species	NONE KNOWN										
Trees, Grass, Etc.	✓	1	1	1	1	1	1	1	1	1	1

Phy. Character.

Surface Water	NA										
Underground Water	?										
Air Quality	✓	1	1	1	1	1	1	1	1	1	1
Erosion	✓	1	1	1	1	1	1	1	1	1	1
Other											

Effect On Local Economy	✓	0	0	0	0	0	0	0	0	0	0
-------------------------	---	---	---	---	---	---	---	---	---	---	---

Safety & Health	✓	1	1	1	1	1	1	1	1	1	1
-----------------	---	---	---	---	---	---	---	---	---	---	---

Others Orig - full
cc: Reg - Denver
FS - Oakley Hill (front) w/o water
Utah DGM

SPECIFICATION 10 - ROAD MAINTENANCE

Description

- 1.1 This work shall consist of the maintenance of gravel and native material roads on the Ashley National Forest used by the permittee. The locations of the roads to be maintained are shown on the attached reference map.

Maintenance Specifications

- 2.1 Surface Blading. Surface blading is keeping a native or aggregate roadbed in a condition to facilitate traffic and provide proper drainage. It includes maintaining the crown or slope of roadway, shoulder, drainage dips, lead-off ditches, berms, turnouts, and providing a level of smoothness appropriate for the amount and kind of traffic served.

The existing roadbed, including turnouts, shall be bladed, shaped to reasonably conform with the previous cross-section, and scarified, if necessary, to eliminate previously established ruts or to otherwise loosen the surface. Existing aggregate surfacing material shall be bladed to conserve material and to prevent segregation of particle sizes. Rocks or other material remaining on roadway surface after the final blading that fails to pass a 4-inch sieve or are larger than the maximum size imported surfacing shall be removed from the road surface. The oversize material shall be bladed from the roadway.

Roadside cut slopes, ditches, and/or berms shall not be undercut.

At intersections, the roadbeds of side roads shall be graded for a reasonable distance to assure proper blending of the two riding surfaces.

Drainage dips and lead off ditches shall be cleaned and maintained to conform reasonably to their previous line, grade, and cross-section.

Maintenance work shall be scheduled with the District Ranger before beginning the work. This is necessary to take advantage of favorable local weather and moisture conditions.

- 2.2 Drainage Cleaning. Drainage cleaning is removing and disposing of all slough material from roadside ditches, leadoff ditches, inlet and outlet ditches at culverts to provide an unobstructed waterway conforming reasonably to previous line, grade, and cross section.

Slough material removed from the ditch may be blended into existing native road surface or shoulder or placed in designed berm in conjunction with surface blading operations. Slough material from ditch cleaning operations shall not be blended into aggregate surfaced roads, unless otherwise agreed.

Where cross drainage is obtained by dips in the roadbed rather than culverts, these existing drainage dips shall be reshaped as originally constructed.

Bridge deck, cattleguard, and culvert cleaning will be considered as part of this specification.

- 2.3 Clearing. A minimum amount of clearing is considered a normal part of routine maintenance. This would include downfalls and leaning snags that are a hazard to the normal operation of the road. All such material shall be disposed of by the permittee by blading to the side of the road where it can later be retrieved and disposed of by the Government.
- 2.4 General. Normal surface blading is estimated to take at least two passes of a motor grader per lane.
- 2.5 Inspection Procedure. Periodic inspections to determine compliance with the specifications herein will be made by the Government. Acceptance will be determined by these inspections. Areas not meeting specifications shall be reworked by the permittee to bring them up to the required standard.

U.S. GEOLOGICAL SURVEY, CONSERVATION DIVISION

FROM: DISTRICT GEOLOGIST, SALT LAKE CITY, UTAH
TO: DISTRICT ENGINEER, SALT LAKE CITY, UTAH

Well	Location	Lease No.
BURTON-HAWKS, Inc. #13-1 Federal	837' FNL, 2443' FEL, Sec. 13 T6S R5W USM, Duchesne Co, Utah, EL 62° 16' 75"	U-5635
<p>1. Stratigraphy and Potential Oil and Gas Horizons. <i>The well will spend in the Uinta Formation.</i></p> <p><i>Green River 2070',</i> <i>Wasatch 5047'. T.D. 5870'.</i></p> <p>2. Fresh Water Sands.</p> <p><i>Usable water may occur at the base of the Green River Formation.</i></p> <p>3. Other Mineral Bearing Formations. <i>Within lands prospectively valuable for solid & semi-solid hydrocarbons (Bitumen Limestone). Also within oil shale withdrawal 5327. Thickness of the Evacuation-Parachute Creek Members of the Green River is about 2000'. Mahogany Zone richest oil shale zone of the Parachute Creek members should be protected.</i></p> <p>4. Possible Lost Circulation Zones. <i>Unknown.</i></p> <p>5. Other Horizons Which May Need Special Mud, Casing, or Cementing Programs. <i>Unknown.</i></p> <p>6. Possible Abnormal Pressure Zones and Temperature Gradients. <i>Unknown.</i></p> <p>7. Competency of Beds at Proposed Casing Setting Points. <i>Probably adequate.</i></p> <p>8. Additional Logs or Samples Needed. <i>Sonic, density, gamma ray, electric, neutron logs needs to evaluate bitumens and oil shale extent.</i></p> <p>9. References and Remarks</p>		
Date: 2-23-77		Signed: E. M. Pera

POam - Utah

Lease

U-5635

Well No. & Location

#13-1 NWNE Sec 13-65-5W

Duchesne County Utah.

ENVIRONMENTAL IMPACT ANALYSIS - ATTACHMENT 2-B

1. Proposed Action

Burton Hawks Inc.

PROPOSES TO DRILL AN OIL AND

GAS TEST WELL WITH ROTARY TOOLS TO ABOUT 4400 FT. TD. 2) TO CONSTRUCT A

DRILL PAD 200 FT. X 350 FT. AND A RESERVE PIT 75 FT. X 50 FT.

3) TO CONSTRUCT 12' FT. X 100' ~~ACCESS ROAD AND~~ ~~HEAD~~ ~~FE.~~

X ~~WILL BE~~ FROM AN EXISTING AND IMPROVED ROAD. All new

Production Facilities shall be contained on the original Drilling location. No new disturbance is required.

2. Location and Natural Setting (existing environmental situation)

The proposed location on ~~the~~ a relatively level area on top of Nutter's Ridge. The existing road runs within 100' of the location so very little new road will be needed.

The vegetation is pinion-juniper, sparse pine, sage brush, and assorted native grasses.

The wildlife is Elk, Deer, small mammals and birds, with no known endangered species.

There are no known historical sites that would be affected and no evidence of archeological sites was noted.

3. Effects on Environment by Proposed Action (potential impact)

1) EXHAUST EMISSIONS FROM THE DRILLING RIG POWER UNITS AND SUPPORT TRAFFIC ENGINES WOULD ADD MINOR POLLUTION TO THE ATMOSPHERE IN THE LOCAL VICINITY.

2) MINOR INDUCED AND ACCELERATED EROSION POTENTIAL DUE TO SURFACE DISTURBANCE AND SUPPORT TRAFFIC USE.

3) MINOR VISUAL IMPACTS FOR A SHORT TERM DUE TO OPERATIONAL EQUIPMENT AND SURFACE DISTURBANCE.

4) TEMPORARY DISTURBANCE OF WILDLIFE AND LIVESTOCK.

5) MINOR DISTRACTION FROM AESTHETICS FOR SHORT TERM.

6) Potential fire danger due to possible flaring of gas at the site. Caution should be used to prevent Damage to the surrounding area by fire.

4. Alternatives to the Proposed Action

1) NOT APPROVING THE PROPOSED PERMIT -- THE OIL AND GAS LEASE GRANTS THE LESSEE EXCLUSIVE RIGHT TO DRILL FOR, MINE, EXTRACT, REMOVE AND DISPOSE OF ALL OIL AND GAS DEPOSITS.

2) DENY THE PROPOSED PERMIT AND SUGGEST AN ALTERNATE LOCATION TO MINIMIZE ENVIRONMENTAL IMPACTS.

3) No nearby locations could be found that would justify this action.

5. Adverse Environmental Effects Which Cannot Be Avoided

- 1) MINOR AIR POLLUTION DUE TO EXHAUST EMISSIONS FROM RIG ENGINES AND SUPPORT TRAFFIC ENGINES.
- 2) MINOR INDUCED AND ACCELERATED EROSION POTENTIAL DUE TO SURFACE DISTURBANCE AND SUPPORT TRAFFIC USE.
- 3) MINOR AND TEMPORARY DISTURBANCE OF WILDLIFE.
- 4) TEMPORARY DISTURBANCE OF LIVESTOCK.
- 5) MINOR AND SHORT-TERM VISUAL IMPACTS.
- 6)

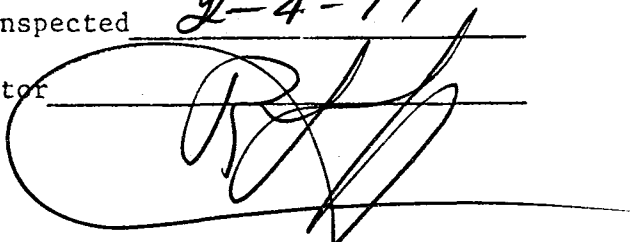
6. Determination

(This requested action ~~does~~ (does not) constitute a major Federal action significantly affecting the environment in the sense of NEPA, Section 102(2) (c).

Date Inspected

2-4-77

Inspector



U.S. Geological Survey,
Conservation Division
Salt Lake City District
Salt Lake City, Utah

STATE OF UTAH
DIVISION OF OIL, GAS, AND MINING

** FILE NOTATIONS **

Date: Feb. 3-
Operator: Burt n / Hawks Inc.
Well No. Butter Bidge Federal 13-1
Location: Sec. 13 T. 6S R. 5W, County: Duchesne

File Prepared	<input checked="" type="checkbox"/>	Entered on N.I.D.	<input checked="" type="checkbox"/>
Card Indexed	<input checked="" type="checkbox"/>	Completion Sheet	<input checked="" type="checkbox"/>

Checked By:

Administrative Assistant: [Signature]

Remarks: Unorthodox Location Under Rule C-3
No other well in Sec. 13

Petroleum Engineer: [Signature]

Remarks: Not Approved by [Signature]

Director: [Signature]

Remarks:

*Does not constitute
legitimate Topographical
Exception*

*OK - location
moved to 797 FEL
and 2315 FEL
Jan 19 1977
[Signature]*

Include Within Approval Letter:

Bond Required [Signature]

Survey Plat Required ☐

Order No. ☐

Surface Casing Change ☐
to _____

Rule C-3(c), Topographical exception/company owns or controls acreage
within a 660' radius of proposed site ☐

O.K. Rule C-3 ☐

O.K. In _____ Unit ☐

Other:

☒ Letter Written: *disapproved*
Approved 3-21-77



BURTON/HAWKS, INC.

First National Bank Building
P. O. Box 359
Casper, Wyoming 82602
307/234/1593

February 10, 1977

Mr. Cleon B. Feight, Director
State of Utah
Division of Oil, Gas and Mining
1588 West North Temple
Salt Lake City, Utah

Re: Burton/Hawks, Inc.
Nutters Ridge Federal #13-1
NW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 13, T6S-R5W
Duchesne County, Utah

Dear Mr. Feight:

We are asking for an exception to Rule C-3(b) of the General Rules and Regulations and Rules of Practice and Procedure for the State of Utah.

The above captioned well lies in an area of narrow canyons and generally rugged topography, making it unfeasible to drill within the center of the quarter-quarter section. ✓

Thank you very much for your consideration in this matter.

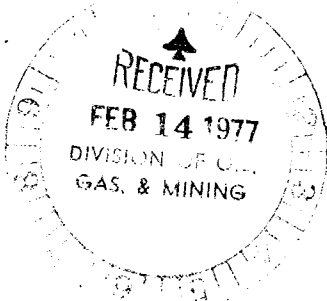
Yours very truly,

BURTON/HAWKS, INC.

Robert E. Wellborn

Robert E. Wellborn,
Exploration Manager

cc: U. S. Geological Survey
Salt Lake City, Utah



Not Negotiable

February 16, 1977

Burton/Hawks, Inc.
P.O. Box 359
Casper, Wyoming 82602

Re: Nutters Ridge Federal 13-1
Sec. 13, T. 6 S, R. 5 W, USM
Duchesne County, Utah

Gentlemen:

We are in receipt of your "Application for Permit to Drill" the above referred well, wherein you indicate that topographic conditions prevent the placement of the well at the permitted location specified under Rule C-3, General Rules and Regulations and Rules of Practice and Procedure.

Please be advised that upon reviewing this Division's records and topographic maps, we are unable to note any difficulty in the placement of said well within the proper spacing pattern.

For this reason, it is requested that you notify this office as to when a member of our staff may accompany you on an on-site inspection of the proposed site prior to commencement of spudding operations.

Very truly yours,

DIVISION OF OIL, GAS, AND MINING

PATRICK L. DRISCOLL
Chief Petroleum Engineer

/SW

cc: U.S. Geological Survey



BURTON/HAWKS, INC.

197

First National Bank Building
P. O. Box 359
Casper, Wyoming 82602
307/234/1593

February 21, 1977

837 FNL
2443 FEL

197' from road
44 1/4 line

483' from other
1/4 1/4 line

Mr. Patrick L. Driscoll
Chief Petroleum Engineer
Dept. of Natural Resources
Division of Oil, Gas, and Mining
1588 West North Temple
Salt Lake City, Utah, 84116

Re: Nutters Ridge Federal #13-1
Sec. 13, T6S-R5W, JSM
Duchesne County, Utah

Dear Mr. Driscoll:

We are in receipt of your letter of February 16, regarding the location of the referenced well. A surface inspection will show the following:

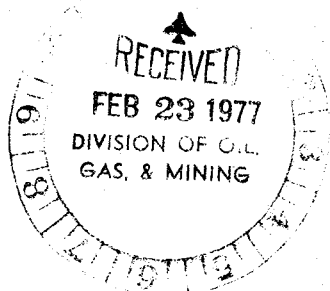
1. The 1"=2000' USGS topographic map does not show enough detail. There is a shallow wooded ravine near the C NW 1/4 NE 1/4. OK
2. Portions of this immediate area have been chained off by the U.S. Forest Service as part of their 1973 revegetation project. Our off-center location falls in a chained-off area, while the on-center location falls in an area of trees. During the surface inspection with the U.S.G.S. and Forest Service Representatives, we were told to move the location off-pattern to the chained-off area. NO

For verification of the above you may call: Ron Alexander, U.S.G.S. (801) 789-5236, or John Vaston, USFS (801) 738-2221.

Yours very truly,

BURTON/HAWKS, INC.

Robert E. Wellborn
Robert E. Wellborn,
Exploration Manager



cc: Mr. John Vasten, USFS, Duchesne
Mr. Ed Gynn, USGS, Salt Lake City



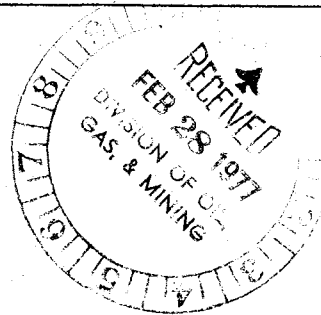
BURTON/HAWKS, INC.

First National Bank Building
P. O. Box 359
Casper, Wyoming 82602
307/234/1593

February 24, 1977

Reserve Oil, Inc.
P. O. Box 5568
Denver, Colorado, 80217

Att: Mr. Peter Bosche



CIRCULATE TO:

DIRECTOR _____ ☒
PETROLEUM ENGINEER _____ ☒
MINE COORDINATOR _____ ☒
ADMINISTRATIVE ASSISTANT _____ ☒
ALL _____ ☒
RETURN TO *Robert E. Wellborn*
FOR FILING *Feb 28 1977*

Re: Proposed Nutters Ridge Federal #13-1
NW1/4NE1/4 Section 13, T6S-R5W
Duchesne County, Utah
Lease No. U-5635

Gentlemen:

Enclosed please find correspondence with the Utah State Oil & Gas Commission and the U. S. Geological Survey regarding the location of the proposed Nutters Ridge #13-1. Also please find enclosed a Stipulation to the U.S. Geological Survey and the U.S. Forest Service. This the proposed location is an off-pattern location, the lease Stipulation must be filed with the U.S.G.S. Would you please sign the Stipulation and forward it directly to the U.S. Geological Survey (address shown below), with copies to the U.S. Forest Service, Duchesne, Utah, State of Utah, Department of Natural Resources, and Burton/Hawks.

We would appreciate your prompt attention to this matter. Thank you.

Yours very truly,

BURTON/HAWKS, INC.

Enclosures

cc: U.S. Geological Survey
8440 Federal Building
125 South State Street
Salt Lake City, Utah

U.S. Forest Service, Duchesne, Utah
State of Utah, Dept. of Natural Resources

Robert E. Wellborn
Robert E. Wellborn,
Exploration Manager

U.S. GEOLOGICAL SURVEY
AND
U.S. FOREST SERVICE

IN THE MATTER OF UNITED STATES OIL)
AND GAS LEASE UTAH U-5635)

S T I P U L A T I O N

The undersigned, being the lessee of record of United States Oil and Gas Lease U-5635, makes this stipulation in furtherance of the approval of the proposed drilling operations on the lands covered by said lease,

WITNESSETH:

THAT, WHEREAS, a notice of intention to drill under said lease has been filed at a surface location being 837 feet from the north line and 2,443 feet from the east line (SW $\frac{1}{4}$ NW $\frac{1}{4}$ NE $\frac{1}{4}$) of Section 13, T6S-R5W; and

WHEREAS, the proposed well location hereinabove described is subject to the requirements of Sec. 221.20(a), Chapter II, Title 30, Code of Federal Regulations;

This stipulates that, until the above described well is plugged and abandoned in accordance with the Federal Oil and Gas Operating Regulations, the United States Department of the Interior and the undersigned owner of said oil and gas lease will not assign all or any part of the interest in either of the subdivisions comprising the NW $\frac{1}{4}$ NE $\frac{1}{4}$ or the NE $\frac{1}{4}$ NW $\frac{1}{4}$ of Section 13 separately, but may make assignments of all or part of the interest covering the two subdivisions jointly.

RESERVE OIL, INC.

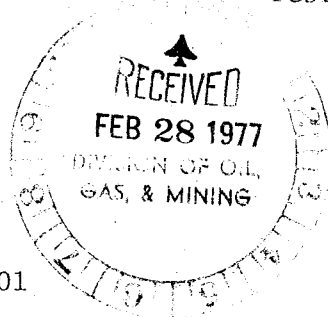
By _____

Dated _____

RESERVE OIL, INC.

P.O. BOX 5568, DENVER, COLORADO 80217
DENVER CENTER BUILDING
TELEPHONE (303) 861-7800

February 25, 1977



U. S. Geological Survey
8440 Federal Building
125 South State Street
Salt Lake City, Utah 84101

RE: Proposed Nutters Ridge Federal #13-1
NW $\frac{1}{4}$ NE $\frac{1}{4}$ Section 13, T6S-R5W
Duchesne County, Utah
Lease No. U-5635

Gentlemen:

At the request of Burton/Hawks, Inc. we are enclosing herewith original and one copy of Stipulation signed on behalf of Reserve Oil, Inc. covering the drilling of subject well.

Yours truly,

Peter Bosche
Manager of Lands - Western Division

PB/ra

Enclosures

cc: U. S. Forest Service, Duchesne, Utah, w/ enclosure
✓ State of Utah, Dept. of Natural Resources, w/ enclosure
Burton/Hawks, Inc., w/ enclosure
Operations

U.S. GEOLOGICAL SURVEY
AND
U.S. FOREST SERVICE

IN THE MATTER OF UNITED STATES OIL)
AND GAS LEASE UTAH U-5635)

S T I P U L A T I O N

The undersigned, being the lessee of record of United States Oil and Gas Lease U-5635, makes this stipulation in furtherance of the approval of the proposed drilling operations on the lands covered by said lease,

WITNESSETH:

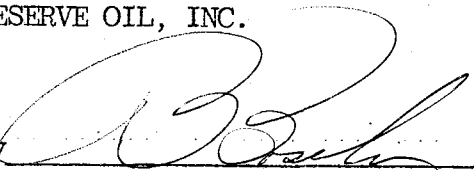
THAT, WHEREAS, a notice of intention to drill under said lease has been filed at a surface location being 837 feet from the north line and 2,443 feet from the east line (SW $\frac{1}{4}$ NW $\frac{1}{4}$ NE $\frac{1}{4}$) of Section 13, T6S-R5W; and

WHEREAS, the proposed well location hereinabove described is subject to the requirements of Sec. 221.20(a), Chapter II, Title 30, Code of Federal Regulations;

This stipulates that, until the above described well is plugged and abandoned in accordance with the Federal Oil and Gas Operating Regulations, the United States Department of the Interior and the undersigned owner of said oil and gas lease will not assign all or any part of the interest in either of the subdivisions comprising the NW $\frac{1}{4}$ NE $\frac{1}{4}$ or the NE $\frac{1}{4}$ NW $\frac{1}{4}$ of Section 13 separately, but may make assignments of all or part of the interest covering the two subdivisions jointly.

RESERVE OIL, INC.

By



PETER B. SCHUCH
ATTORNEY-IN-FACT

Dated FEB 25 1977

March 21, 1977

Burton/Hawks, Inc.
Box 359
Casper, Wyoming 82602

Re: Well No. Nutters Ridge Fed. 13-1
Sec. 13, T. 6 S, R. 5 W, USM
Duchesne County, Utah

Gentlemen:

Insofar as this office is concerned, approval to drill the above well at 837' FNL & 2443' FEL, is hereby granted in accordance with Rule C-3(c), General Rules and Regulations and Rules of Practice and Procedure.

Should you determine that it will be necessary to plug and abandon this well, you are hereby requested to immediately notify the following:

Patrick L. Driscoll - Chief Petroleum Engineer
Home: 582-7247
Office: 533-5771

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling.

The API number assigned to this well is 43-013-30421.

Very truly yours,

DIVISION OF OIL, GAS, AND MINING

CLEON B. FEIGHT
Director

/SW

cc: U.S. Geological Survey

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. U-5635	
b. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR Burton/Hawks, Inc.		7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR P. O. Box 359, Casper, Wyoming, 82602		8. FARM OR LEASE NAME	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface NW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 13, (837' FNL/2443' FEL) MAR 22 1977 At proposed prod. zone		9. WELL NO. Nutters Ridge Federal 13-1	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 14 miles south of Duchesne, Utah		10. FIELD AND POOL, OR WILDCAT Wildcat	
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 837'		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 13, T6S-R5W	
16. NO. OF ACRES IN LEASE 760		12. COUNTY OR PARISH Duchesne	
17. NO. OF ACRES ASSIGNED TO THIS WELL 320 acres		13. STATE Utah	
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. N/A		20. ROTARY OR CABLE TOOLS Rotary	
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 7675' GR		22. APPROX. DATE WORK WILL START* February 18, 1977	

PROPOSED CASING AND CEMENTING PROGRAM				
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 $\frac{1}{4}$ "	8-5/8"	24#	200'	To surface

Township 6 South, Range 5 West, Uintah Meridian

Section 13: W $\frac{1}{2}$ NE $\frac{1}{4}$, SE $\frac{1}{4}$ NE $\frac{1}{4}$, NW $\frac{1}{4}$ Section 14: N $\frac{1}{2}$ Section 15: NE $\frac{1}{4}$ 760 acresBlowout Preventor: 10" Cameron
8" Shaffer, 3 $\frac{1}{4}$ " Drill Pipe Rams, One 2" fill line, One 2" kill
line. No choke line

Intend to drill a 4700' test into the Green River Formation.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED Robert E. Wellborn TITLE Exploration Manager DATE 2-1-77
Robert E. Wellborn
(This space for Federal or State office use)

PERMIT NO. APPROVAL DATE

(ORIG. SCD.) E. W. GUYNN

DISTRICT ENGINEER

CONDITIONS OF APPROVAL, IF ANY:

MAR 21 1977

*See Instructions On Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

U-5635

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

9. WELL NO. Nutters Ridge
Federal 13-1

10. FIELD AND POOL, OR WILDCAT

Wildcat

11. SEC., T., R., M., OR BLK. AND
SURVEY OR AREA

Sec. 13, T6S-R5W

12. COUNTY OR PARISH
Duchesne

13. STATE
Utah

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL ☒ GAS WELL ☒ OTHER

2. NAME OF OPERATOR
Burton/Hawks, Inc.

3. ADDRESS OF OPERATOR
P. O. Box 359, Casper, Wyoming, 82602

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)
At surface NW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 13 (837' FNL/2443' FEL)

14. PERMIT NO.
none given

15. ELEVATIONS (Show whether DF, RT, GR, etc.)
7675' GR

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF

PULL OR ALTER CASING

WATER SHUT-OFF

REPAIRING WELL

FRACTURE TREAT

MULTIPLE COMPLETE

FRACTURE TREATMENT

ALTERING CASING

SHOOT OR ACIDIZE

ABANDON*

SHOOTING OR ACIDIZING

ABANDONMENT*

REPAIR WELL

CHANGE PLANS

(Other)

(Other)

STATUS REPORT

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

APRIL, 1977

4-15-77 Spudded 9:00 a.m.

See attached drilling report for drilling operations.

PRESENT OPERATIONS

Moving on completion unit.

18. I hereby certify that the foregoing is true and correct

SIGNED

Robert E. Wellborn
Robert E. Wellborn

TITLE

Exploration Manager

DATE

5-9-77

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

BURTON/HAWKS, INC.
NUTTERS RIDGE FEDERAL #13-1
NW $\frac{1}{4}$ NE $\frac{1}{4}$ SEC. 13, T6S-R5W
DUCHESNE COUNTY, UTAH

Page 2

- 4-29-77 Trip in with 5-5/8" lynes packer. Set packer @ 4249'. Pressure up 600# on backside. Cemented with 100 sx. 2% CaCl. Pumping pressure 1900#. SIP 1500#. WOC 8 hrs. Trip out with packer. Trip in with 6-1/8" mill. Milled to 3615'. Tripping out with mill.
- 4-30-77 Trip out with mill. Trip in with 5-7/8" bit. Drilled cement. Drilled float collar. Trip out. logging with bond log. Found cement @3380-4530, 100%. Trip in with mill.
- 5- 1-77 Tripping in with mill. Milled to 4563'. Trip out with mill. Trip in with 6" bit. Drilled float shoe. Blow hole out to 4572'. Trip out with bit. Trip in with drill pipe. Pumped cement plug @ bottom of pipe @ 4563', with 25 sx. WOC.
- 5- 2-77 WOC. Trip in with 6" bit. Drilled cement to 4573'. Trip out with bit. Ran bond log. Found no cement on last 20' of 7". Pick up core barrel. Trip in with core barrel. Coring, 4573-4633. Trip out with core.
- 5-3-77 Trip with #1 Core. Laid 56' of core. Trip in with #2 Core, from 4633-4693'. Trip out with #2 Core. Laid 53' of core down. Trip in with Core #3, 4693-4717. Trip out with #3 core.
- 5-4-77 Core #3, 4692-4704. 92'-94' grey shale; 94'-97' sandstone, fine grained, calcareous, well cemented. Hard and tight. No shows. Rest of core grey shale with this sand string.
- 5-5-77 Rigging down. Will move on completion unit and perforate.
- 5-6-77 Waiting on completion unit. Reports will be discontinued until completion unit is moved on.

BURTON/HAWKS, INC.
NUTTERS RIDGE FEDERAL #13-1
NW $\frac{1}{4}$ NE $\frac{1}{4}$ SEC. 13, T6S-R5W
DUCHESNE COUNTY, UTAH

Page 1

- 4-13-77 Set 40' of 13-3/8" conductor pipe. Rigging up rotary tools.
- 4-15-77 Spudded 9:00 a.m. 4-15-77.
- 4-16-77 Drilled 12 $\frac{1}{4}$ " surface hole. Drilled 143', 12 $\frac{1}{4}$ " hole with air
- 4-17-77 Set 180' 9-5/8" surface pipe. 160 sx. cement.
- 4-18-77 Drilling @ 950'. 8-3/4" hole, with air.
- 4-19-77 Drilling @ 2760'.
- 4-20-77 Drilling @ 3680'
- 4-21-77 Drilling @ 4050'. Made trip for bit @ 3900'.
- 4-22-77 Ran GR Neutron. Loggers TD 4534', Driller's TD 4572'. Small puff of gas. Running 7" to 4572'. Will core into pay, about 15' below bottom of hole. Dropped 992' 7" casing in hole. Ran 3582' more 7". Washing the bottom.
- 4-23-77 Blowing 7" casing to bottom. Tried to screw into fish. Unsuccessful. Ran dialog, unsuccessful. Set slips on 7". Nippled up.
- 4-24-77 Trip in with mill. Hit top of fish @ 3590'. Milling. Milled 3' and trip out to log. Logging. Found hole @ 3590'. Rest of casing in good shape. Trip in with 6-1/8" mill. Trip out to run packer to cement.
- 4-25-77 Trip in with 4-5/8" Lynes Packer to cement.
- 4-26-77 Ran temperature log. Cooling effect 3990-4010. Ran packer. Set @ 3630. Pressure up to 2100 psi. No circulation. Perforated 4 shots, 28 grain, 3/8" hole @ 4340. Cemented with 75 sx, 800 psi pumping pressure. No SIP. WOC 10'. Ran temperature log, tagged top of cement @ 3636. Perforated @ 3630, with 4 shots, 28 grains. Going in hole with packer to be @ 2000'. Preparing to cement w/300 sx. Will drill out in 12'.
- 4-27-77 Ran temperature log, found cement @ 3636. Perforated 3630', with 4 shots, 28 grain. Trip in with packer, set @ 2000'. Cemented 300 sx, 2% Cacl. 800# pumping pressure. 300 SIP. WOC. Drilled out cement. Found top of cement @ 3491', bottom of cement 3670'. Trip in to drill float collar.
- 4-28-77 WOC. Ran Bond Log. Found cement @ 2520-3370, 100%; 3564-3582, 100%; 3610-3726, 100%; 3980-4300, 100%; 4300-4320, 80%. Perforated @ 4524' with 4 shots, 28 grain. Trip in with packer, set @ 4371'. Packer failed. Trip out with packer. WO parts for packer. Trip back in with packer. Going to set packer @ 4310'. LATE REPORT, not called. Perforated 4524', 4 shots. Set packer @ 4249' w/100 sx. 2% Cacl. Pumped @ 1990 PSI, SIP 1500 PSI. Left 600 PSI backpressure. Will drill out @ 6:00 a.m. 4-29-77.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Form 8-329 Rev. Feb 76
OMB 42-R0356

MONTHLY REPORT
OF
OPERATIONS

Lease No. U-5635

Communitization Agreement No.

Field Name Wildcat

Unit Name

Participating Area

County Duchesne

State Utah

Operator Burton/Hawks, Inc.

☐ Amended Report

The following is a correct report of operations and production (including status of all unplugged wells) for the month of
May, 1977

(See Reverse of Form for Instructions)

This report is required by law (30 U.S.C. 189, 30 U.S.C. 359, 25 U.S.C. 396 d), regulation (30 CFR 221.60), and the terms of the lease. Failure to report can result in the assessment of liquidated damages (30 CFR 221.54 (j)), shutting down operations, or basis for recommendation to cancel the lease and forfeit the bond (30 CFR 221.53).

Well No.	Sec. & 1/4 of 1/4	TWP	RNG	Well Status	Days Prod.	*Barrels of Oil	*MCF of Gas	*Barrels of Water	Remarks
13-1	NW 1/4 NE 1/4	6S	5W	Completing	-0-	-0-	-0-	-0-	Building tank battery following frac job.

*If none, so state.

Disposition of production (Lease, Participating Area, or Communitized Area basis)

	Oil & Condensate (BBLs)	Gas (MCF)	Water (BBLs)
*On hand, Start of Month		XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
*Produced			
*Sold			XXXXXXXXXXXXXXXXXXXX
*Spilled or Lost		XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
*Flared or Vented	XXXXXXXXXXXXXXXXXXXX		XXXXXXXXXXXXXXXXXXXX
*Used on Lease			XXXXXXXXXXXXXXXXXXXX
*Injected			
*Surface Pits	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	
*Other (Identify)			
*On hand, End of Month		XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
*API Gravity/BTU Content			XXXXXXXXXXXXXXXXXXXX

Authorized Signature: Robert E. Wellborn
Robert E. Wellborn

Address: P. O. Box 359, Casper, Wyo. 82602

Title: Exploration Manager

BURTON/HAWKS, INC.
NUTTERS RIDGE FEDERAL #13-1
NW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 13, T6S-R5W
Duchesne County, Utah

Page 3

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- 5-23-77 "
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10 12 3 5

BURTON/HAWKS, INC.
NUTTERS RIDGE FEDERAL #13-1
NW $\frac{1}{4}$ NE $\frac{1}{4}$ SEC. 13, T6S-R5W
DUCHESNE COUNTY, UTAH

Page 2

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- 5-12-77 Set packer @ 3950'. Pumped 500 gallons 7 $\frac{1}{2}$ % acid. Broke down formation @ 4500 psi. Broke back to 3500 psi. Displaced acid, ISIP 1800 psi. Opened well to pit. Recovered load oil and show of gas. Left well open overnight to pit. 0 psi#. Small flare. 500' fluid in hole. Top 200' oil, 300' acid water. Blew hole clean with air. Shut off air. No flow. Will SI for 4 hrs and unload with air.
- 5-13-77 Testing. 500' fillup overnight. Little more gas. Half water, half oil.


July 5, 1977

Memo To File

Re: Burton Hanks
Nutters Ridge 1-13
Sec. 13, T. 6 S., R. 5 W.
Duchesne County

Verbal permission was given to Burton Hanks, June 30, 1977, to temporarily abandon this well. A rig will be moved in and the tubing will be pulled. The perforated interval between 3980' and 4010' will be isolated by setting a drillable bridge plug above the perforations.

At such time as the company feels to be opportune, i.e. (pipeline in the immediate area), the well will be either drilled to the Wasatch or completed in the present formation.



PATRICK L. DRISCOLL
CHIEF PETROLEUM ENGINEER

PLD/src

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN TRIPLICATE*
(Other instructions on reverse side)Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

U-5635

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

9. WELL NO.

Nutters Ridge Fed. #13-1

10. FIELD AND POOL, OR WILDCAT

Wildcat

11. SEC., T., R., M., OR BLK. AND
SURVEY OR AREA

Sec. 13, T6S-R5W

12. COUNTY OR PARISH

Duchesne

13. STATE

Utah

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)1. OIL WELL ☒ GAS WELL ☐ OTHER ☐

2. NAME OF OPERATOR

Burton/Hawks, Inc.

3. ADDRESS OF OPERATOR

P. O. Box 359, Casper, Wyoming, 82602

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)

At surface

NW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 13 (837' FNL/ 2443' FEL)

14. PERMIT NO.

None given

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

7675' GR

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐FRACTURE TREAT ☐SHOOT OR ACIDIZE ☐REPAIR WELL ☐

(Other)

PULL OR ALTER CASING ☐MULTIPLE COMPLETE ☐ABANDON* ☐CHANGE PLANS ☐

Suspend Operations

☒

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐FRACTURE TREATMENT ☐SHOOTING OR ACIDIZING ☐

(Other)

REPAIRING WELL ☐ALTERING CASING ☐ABANDONMENT* ☐(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

WELL SUMMARY

4-13-77 Set 40' of 13-3/8" conductor pipe
4-15-77 Spudded, drilled 12 $\frac{1}{4}$ " surface hole
4-17-77 Set 9-5/8" surface casing to 180' KB,
cmted with 160 sx.
4-22-77 Drilled to 4572', logged, ran 7" casing
to 4563' and cemented with 300 sx. CEL
log shows cement from TD to 2520'.
5- 2-77 Coring 6" hole
5- 4-77 Cored to 4704', TD 4717 Drlr, 4714' Welex
5-11-77 Perforated 3980-4010' w/61 shots
5-12-77 Acidized with 500 gallons
5-19-77 Fraced w/550 bbls. gel diesel & 19,250#
20-40 sand; 220 bbls. diesel w/5300#
10-20 sand.
5-20-77 Flowing back; prepare to bld. tank batt.
6-11-77 Start pumping well
6-12-77 to 6-23-77 Pumped well, averaged 8 BOPD
plus 50 BWPD; last day 1 BO + 76 BW
6-24-77 Shut-in
6-28-77 Moving in workover rig to pull tubing
and suspend operations.

PLANS

1. Pull tubing
2. Leave perfs open at this time for possible future stimulation and testing. We plan to reenter this hole in the fall and deepen to about 6000' in the Wasatch form.
3. Set a drillable plus 50' above perfs.
4. Close-in wellhead equipment with valve and pressure gauge.
5. Clean up location and erect identification sign.

APPROVED BY THE DIVISION OF
OIL, GAS, AND MINING

DATE: July 8, 1977

BY: P. H. Murrell

18. I hereby certify that the foregoing is true and correct

SIGNED

Robert E. Wellborn
Robert E. Wellborn

TITLE

Exploration Manager

DATE

6-29-77

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

BURTON/HAWKS, INC.
NUTTERS RIDGE FEDERAL #13-1
NW $\frac{1}{4}$ NE $\frac{1}{4}$ SEC. 13, T6S-R5W
DUCHESNE COUNTY, UTAH

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BURTON/HAWKS, INC.
NUTTERS RIDGE FEDERAL #13-1
NW $\frac{1}{4}$ NE $\frac{1}{4}$ SEC. 13, T6S-R5W
DUCHESNE COUNTY, UTAH

Page 2

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10 K + R

BURTON/HAWKS, INC.
NUTTERS RIDGE FEDERAL #13-1
NW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 13, T6S-R5W
Duchesne County, Utah

Page 3

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BURTON/HAWKS, INC
NUTTERS RIDGE FEDERAL #13-1
NW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 13, T6S-R5W
Duchess County, Utah

CORRECTED PAGE 4

- 6-4-77 Finish trip out. Put new well head on. Trip in w/mill.
Waiting on power swivel.
- 6-5-77 Shut down
- 6-6-77 Rig up power swivel. Drilling down. 150' of sand, tag plug
@ 4140'. Flowed 25 barrels oil cut diesel. Trip out w/mill.
Pick up pump cavity. Trip in w/same.
- 6-7-77 Finish trip in w/pump packer. Set packer @ 3941'. Pick up
vent string. Set @ 3941'.
- 6-8-77 Flange up well. Pressured up packer to 1000#.
- 6-9-77 Flange up well head, hook up triplex.
- 6-10-77 Flange up well head and triplex.
- 6-11-77 Hook up triplex, start pumping @ 12:00.
- 6-12-77 18 hr. pumped 60 barrels oil cut diesel, 20 barrel water,
25 MCF.
- 6-13-77 Pumped 120 barrels oil cut diesel, 20 barrels water,
40 MCF.
- 6-14-77 No oil, 37 BW, trace of gas. Bottom hole pump gas locked. Will
put it back in. Pull pump out.
- 6-15-77 12 Barrels Oil Cut diesel, 47 barrels water, trace of gas.
- 6-16-77 12 Barrels Oil, 53 Barrels Water, No Gas.
- 6-17-77 2 Barrels Oil, 36 Barrels Water
- 6-18-77 8 Barrels Oil, 50 Barrels Water. Two hours down time to change pump
out.
- 6-19-77 20 Barrels Oil, 50 Barrels Water.
- 6-20-77 10 Barrels Oil, 33 Barrels Water.
- 6-21-77 15 BO, 40 BW.
- 6-22-77 5 BO, 50 BW,
- 6-23-77 1 BO, 76 BW
- 6-24-77 Shut down. Will temporarily abandon
- 6-28-77 Rig moved in to temporarily abandon well.

REPLY MESSAGE

This form available from Grayarc Co., Inc., A Subsidiary of Dictaphone Corporation, 882 Third Ave., Brooklyn, N. Y. 11232

TO

U.S. Geological Survey
8440 Federal Building
Salt Lake City, Utah

FROM

BURTON/HAWKS, INC.
P. O. BOX 359
CASPER, WYOMING 82601

SUBJECT: Nutters Ridge Federal #13-1, NW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 13, T6S-R5W, DATE: 6-30-77
Duchesne County, Utah

FOLD ↑

Enclosed please find Sundry Notice for the suspension of operations on
the Nutters Ridge Federal #13-1.

✓ cc: State of Utah
Division of Oil, Gas and Mining

PLEASE REPLY TO →

SIGNED

Robert E. Wellborn
Robert E. Wellborn, Expl. Mgr.

REPLY

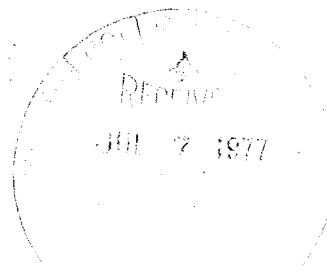
DATE:

SIGNED

GRAYARC CO., INC., BROOKLYN, N. Y. 11232

THIS COPY FOR PERSON ADDRESSED

DETACH THIS COPY — RETAIN FOR ANSWER SEND WHITE AND PINK COPIES WITH CARBONS INTACT.





CALVIN L. RAMPTON
Governor

OIL, GAS, AND MINING BOARD

GORDON E. HARMSTON
Executive Director,
NATURAL RESOURCES

STATE OF UTAH

DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL, GAS, AND MINING

1588 West North Temple

Salt Lake City, Utah 84116

(801) 533-5771

GUY N. CARDON
Chairman

CHARLES R. HENDERSON
ROBERT R. NORMAN
I. DANIEL STEWART
HYRUM L. LEE

CLEON B. FEIGHT
Director

October 14, 1977

Burton/Hawks, Inc.
P. O. Box 359
Casper, Wyoming 82602

Re: Burton/Hawks
Nutters Ridge Federal #13-1
Sec. 13, T. 6S., R. 5W.
Duchesne County, Utah

Gentlemen:

This letter is to advise you that the "Well Completion or Recompletion Report and Log" and electric and or radioactivity logs for the above referred to well are due and have not been filed with this office as required by our rules and regulations.

Please complete the enclosed Form OGC-3 in duplicate, and forward them to this office as soon as possible. If electric and or radioactivity logs were not run, please make a statement to this effect in order that we may keep our records accurate and complete.

Your prompt attention to the above will be greatly appreciated.

Very truly yours,

DIVISION OF OIL, GAS, AND MINING

KATHY OSTLER
RECORDS CLERK

Form approved.
Budget Bureau No. 42-R355.5.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input type="checkbox"/> Other _____		7. UNIT AGREEMENT NAME -	
b. TYPE OF COMPLETION: NEW WELL <input type="checkbox"/> WORK OVER <input type="checkbox"/> DEEP-EN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> Other _____		8. FARM OR LEASE NAME -	
2. NAME OF OPERATOR Burton/Hawks, Inc.		9. WELL NO. Nutters Ridge Fed. #13-1	
3. ADDRESS OF OPERATOR P. O. Box 359, Casper, Wyoming, 82601		10. FIELD AND POOL, OR WILDCAT Wildcat	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface NW 1/4 NE 1/4 Sec. 13 (837' FNL/ 2443' FEL) At top prod. interval reported below At total depth		11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA Sec. 13, T6S-R5W	
14. PERMIT NO. None given		DATE ISSUED	
15. DATE SPUDDED 4-15-77		16. DATE T.D. REACHED 4-21-77	
17. DATE COMPL. (Ready to prod.) 5-19-77		18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 7675 GR, 7648 KB	
19. ELEV. CASINGHEAD		20. TOTAL DEPTH, MD & TVD 4717 Drlr.	
21. PLUG, BACK T.D., MD & TVD 3927		22. IF MULTIPLE COMPL., HOW MANY*	
23. INTERVALS DRILLED BY →		ROTARY TOOLS X	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 3980-4010		25. WAS DIRECTIONAL SURVEY MADE No	
26. TYPE ELECTRIC AND OTHER LOGS RUN I-ES log, 4562'-4708', GR-N 4526'-100', Density 4712-4558		27. WAS WELL CORED Yes	
28. CASING RECORD (Report all strings set in well)			
CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE
9-5/8"	36#	180'	12 1/4"
7"	20#	4562'	8-3/4"
CEMENTING RECORD		AMOUNT PULLED	
160 SX - to surface			
375 SX - 4562' to 2520'		Cbl	
29. LINER RECORD			
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*
SCREEN (MD)		30. TUBING RECORD	
SIZE		DEPTH SET (MD)	
PACKER SET (MD)			
31. PERFORATION RECORD (Interval, size and number) 3980-4010' w/61 shots			
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.			
DEPTH INTERVAL (MD)		AMOUNT AND KIND OF MATERIAL USED	
3980-4010		500 gals. 7 1/2% acid	
		Frac w/770 bbls. gel diesel,	
		24,500# sand.	
33. PRODUCTION			
DATE FIRST PRODUCTION 6-12-77		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Pumping	
WELL STATUS (Producing or shut-in) SI- Oper. Suspended			
DATE OF TEST to 6-23	HOURS TESTED 12 days	CHOKE SIZE -	PROD'N. FOR TEST PERIOD Avg. 8 BOPD
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE →	OIL—BBL. GAS—MCF.
-	-	→	50
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)		TEST WITNESSED BY Rance Denton	
35. LIST OF ATTACHMENTS			
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records			
SIGNED Robert E. Wellborn		TITLE Exploration Manager	
DATE 10-25-77			

***(See Instructions and Spaces for Additional Data on Reverse Side)**

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions. If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments. **Items 22 and 24:** If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool. **Item 33:** Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES: SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
Green River ss.	3980	4010	Oil and water

38. GEOLOGIC MARKERS

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH
Green River fm	Surface to TD	



BURTON/HAWKS, INC.

First National Bank Building
P. O. Box 359
Casper, Wyoming 82602
307/234/1593

October 26, 1977

U. S. Geological Survey
8440 Federal Building
125 South State Street
Salt Lake City, Utah, 84111

State of Utah
Division of Oil, Gas, and Mining
1588 West North Temple
Salt Lake City, Utah, 84111

Re: Nutters Ridge Federal #13-1
NW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 13, T6S-R5W
Duchesne County, Utah

Gentlemen:

Enclosed for your records, please find the Well Completion Report
for the above captioned well.

Yours very truly,

BURTON/HAWKS, INC.

Robert E. Wellborn

Robert E. Wellborn,
Exploration Manager

REW/jo

Attachments



STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUBMIT IN TRIPLICATE*
(Other instructions on
reverse side)

2

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> 2. NAME OF OPERATOR Burton/Hawks, Inc. 3. ADDRESS OF OPERATOR P. O. Box 359, Casper, WY 82602 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 837' FNL/2443' FEL 14. PERMIT NO. 43-013-30421		5. LEASE DESIGNATION AND SERIAL NO. U-5635 6. IF INDIAN, ALLOTTEE OR TRIBE NAME 7. UNIT AGREEMENT NAME 8. FARM OR LEASE NAME Federal 9. WELL NO. 13-1 10. FIELD AND POOL, OR WILDCAT Nutter's Ridge 11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA S. 13, T6S-R5W 12. COUNTY OR PARISH Duchesne 13. STATE Utah	
15. ELEVATIONS (Show whether OF, RT, OR, etc.) 7675' GL, 7684' KB			

16.

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting and proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Operations were suspended in June, 1977 after testing this well on hydraulic pump proved the perforations at 3980'-4010' to be giving up 99% water. We intend to abandon this well by setting 40 sacks of cement across the perforations, 20 sacks at the surface and another 15 sacks in the 7" x 9-5/8" annulus. Work will begin immediately.

ACCEPTED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING

DATE 5/22/85
BY John R. Baya

Federal approval of this action
is required before commencing
operations.

18. I hereby certify that the foregoing is true and correct

SIGNED

Mary Bohannon
for Steve Richardson

TITLE

Engineer

DATE

5/13/85

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

BURTON/HAWKS

May 13, 1985

RECEIVED

MAY 16 1985

State of Utah Natural Resources
3 Triad Center - Suite 350
355 W. North Temple
Salt Lake City, UT 84180-1203

DIVISION OF OIL
GAS & MINING

Attn: Pam Kenna
Well Records Specialist

Re: Well No. L. Fork Antelope Canyon Federal 23-1
Sec. 23, Township 6 South, Range 4 West
Duchesne County, Utah
API #43-013-30405

Well No. Nutter's Ridge Federal 13-1
Sec. 13, Township 6 South, Range 5 West
Duchesne County, Utah
API #43-013-30421

Ladies & Gentlemen:

Enclosed, in triplicate, are Sundry Notices for the above referenced wells. As you will notice, work was suspended on both of these wells and our intent is to abandon both.

If further information is needed, please contact Steve Richardson of this office.

Sincerely,

BURTON/HAWKS, INC.

Mary Bohannon

Mary Bohannon (Mrs.)
for Steve Richardson,
Engineer

/b
Enclosures



Burton/Hawks, Inc.
735 First Interstate Building
Post Office Box 359
Casper, Wyoming 82602
(307)234-1593



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Norman H. Bangerter, Governor
Dee C. Hansen, Executive Director
Dianne R. Nielson, Ph.D., Division Director

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

June 25, 1985

Burton Hawks, Inc.
P O Box 359
Casper, Wyoming 82602

Gentlemen:

Re: Well No. Nutters Ridge 13-1 - Sec. 13, T. 6S., R. 5W.,
Duchesne County, Utah - API #43-013-30421

Our office received a Notice of Intention to Abandon the above referenced well dated May 13, 1985. As of the date of this letter we have not received a subsequent notice.

If this well has been plugged and abandoned, please return the enclosed Sundry Notice indicating the plugging procedure used and the date the work was completed.

Thank you for your cooperation in this matter.

Sincerely,

Pam Kenna
Well Records Specialist

Enclosure

cc: Dianne R. Nielson
Ronald J. Firth
John R. Baza
File

0170S/87

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUBMIT **TRIPPLICATE**
 (Other instructions on
 reverse side)

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
 Use "APPLICATION FOR PERMIT—" for such proposals.)

1. <input type="checkbox"/> OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER		5. LEASE DESIGNATION AND SERIAL NO. U-5635
2. NAME OF OPERATOR Burton/Hawks, Inc.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR P. O. Box 359, Casper, WY 82602		7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State regulations. See also space 17 below.) At surface 837' FNL/2443' FEL		8. FARM OR LEASE NAME Federal
14. PERMIT NO. 43-013-30421		9. WELL NO. 13-1
15. ELEVATIONS (Show whether OF, RT, OR, etc.) 7675' GL, 7684' KB		10. FIELD AND POOL, OR WILDCAT Nutter's Ridge
16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data		11. SEC., T., R., M., OR BLE. AND SURVEY OR AREA S. 13, T6S-R5W
17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)		12. COUNTY OR PARISH Duchesne
18. I hereby certify that the foregoing is true and correct		13. STATE Utah

RECEIVED
 JUL 21 1985
 DIVISION OF
 OIL, GAS & MINING

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input checked="" type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input type="checkbox"/>	

* (NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

5/15/85 - RU Gamache Well Service Rig #17. Removed dual xmas tree and found no tubing. Located rental workstring in Roosevelt. Waited for delivery. PU 132 jts. of 2 3/8" tbg. (beveled couplings) to tag PBTD at approx. 4080' KB. LD 1 jt. (EOT at 4065'). Filled casing with fresh water -- took 60 bbls. SDFN.

5/16/85 - RU Halliburton. Pumped 40 sacks of Class A cement to place a balanced plug across perforations at 3980'-4010'. POH w/tubing. Pumped 15 sacks cement down 7" x 9 5/8" annulus. WBIH w/4 joints. Spotted 20 sacks for surface plug. LD tubg. Moved rig to Left Fork Antelope Canyon #23-1.

NOTE: BLM representative was on location. Dirtwork is complete. Seeding will be done this fall.

**ACCEPTED BY THE STATE
 OF UTAH DIVISION OF
 OIL, GAS, AND MINING**

DATE: 7/2/85
 BY: John R. Day

18. I hereby certify that the foregoing is true and correct

SIGNED

Steve Richardson

TITLE

Engineer

DATE 6/28/85

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

COMMENTS OF APPROVAL, IF ANY:

Form 9-500
(April 1962)

		*
13		

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
CONSERVATION DIVISION

Sec. 13
T. 6S
R. 5W
USM
Mer.
Ref. No. 7

INDIVIDUAL WELL RECORD

PUBLIC LAND:

Date November 2, 1977

Land office Utah State Utah
Serial No. U-5635 County Duchesne
Lessee Reserve Oil, Inc. Field Nutters Ridge
Operator Burton/Hawks, Inc. District Salt Lake City
Well No. 13-1 Subdivision NW NE
Location 837' FNL, 2443' FEL

RECEIVED

JAN 12 1993

DIVISION OF
OIL GAS & MINING

Drilling approved March 21, 1977 Well elevation 7675' GR. 7548 KB feet
Drilling commenced April 15, 1977 Total depth 4717 PBD 3927 feet
Drilling ceased April 21, 1977 Initial production testing only
Completed for production May 19, 1977 Gravity A. P. I. 32°
Surface: Forest Service
Abandonment approved 12/28, 1992 Initial R. P. pumping

Geologic Formations		Productive Horizons		Contents
Surface	Lowest tested	Name	Depth	
Green River	Green River	Green River	3980-4010	oil and water

WELL STATUS

YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
1977				SPUD TD 4717'		TA*						
1992												P+H

REMARKS * Operations suspended-low production, wish to re-enter and deepen.

Casing Record: 9 5/8" cc @ 180' w/160 sxs
7" cc @ 4562' w/375 sxs